

**Health Science Education**  
**Anatomy and Physiology**  
**Course Code #5509**

**1 Credit**

School Year \_\_\_\_\_

Term: \_\_\_\_\_ Fall \_\_\_\_\_ Spring \_\_\_\_\_

Rate each student on the following

3 – Mastered (Can work independently with no supervision)

2 – Require supervision (Can perform with limited supervision)

1 – Not mastered (Requires instructions and close supervision)

N – No exposure (No experience or knowledge in this area)

Student: _____ Grade _____
Teacher: _____ School _____
Number of Competencies in Course: <b>24</b>
Number of Competencies Mastered: _____
Percent of Competencies Mastered: _____

**Standard 1.0 The student will demonstrate knowledge of the normal body defenses against disease processes.**

\*One of these columns must be checked

Learning Expectations		Check the appropriate Mastery or Non-Mastery column*				Rating (Circle one)	Mastery	Non-Mastery
1.1	Compare the body's three lines of defense against disease.	3	2	1	N			
1.2	Demonstrate aseptic techniques necessary for disease prevention following OSHA guidelines and standard precautions.	3	2	1	N			

**Standard 2.0 The student will demonstrate the concepts of basic disease processes.**

\*One of these columns must be checked

Learning Expectations		Check the appropriate Mastery or Non-Mastery column*				Rating (Circle one)	Mastery	Non-Mastery
2.1	Outline the stages of the inflammatory response including effects, complications, and diagnostic tests and treatment.	3	2	1	N			
2.2	Illustrate the types of healing including factors which promote or delay the response.	3	2	1	N			
2.3	Differentiate normal and abnormal immune responses.	3	2	1	N			
2.4	Compare the results of a compromised immunological system including acquired immune deficiency syndrome (AIDS), hypersensitivity reactions, and transplant rejections.	3	2	1	N			
2.5	Interpret principles of infection including diagnostic tests, signs and symptoms, and treatment.	3	2	1	N			
2.6	Analyze the pathogenesis of neoplasm including diagnostic measures, treatment and risk factors.	3	2	1	N			

**Standard 3.0 The student will illustrate the effects of abnormal factors such as immobility, stress, pain, substance abuse, and environmental hazards on the normal functioning of the body.**

\*One of these columns must be checked

Learning Expectations		Check the appropriate Mastery or Non-Mastery column*				Rating (Circle one)	Mastery	Non-Mastery
3.1	Illustrate the effects of immobility on the body systems.	3	2	1	N			
3.2	Interpret the potential effects of stress on the development of disease.	3	2	1	N			
3.3	Analyze the theory of pain and measures of pain control.	3	2	1	N			
3.4	Relate signs of substance abuse including predisposing factors.	3	2	1	N			
3.5	Assess potential complications of substance abuse.	3	2	1	N			
3.6	Compare various diseases due to environmental hazards including temperature-related disorders, bites, stings, and food poisoning.	3	2	1	N			

**Standard 4.0 The student will differentiate and illustrate the health problems associated with the stages of growth and development.**

\*One of these columns must be checked

Learning Expectations		Check the appropriate Mastery or Non-Mastery column*				Rating (Circle one)	Mastery	Non-Mastery
4.1	Analyze the development and diagnosis of congenital and genetic disorders.	3	2	1	N			
4.2	Relate various health problems associated with adolescence to include musculoskeletal disorders, eating disorders, skin disorders, and infectious mononucleosis.	3	2	1	N			
4.3	Interpret significant physiologic changes with aging relative to specific body systems.	3	2	1	N			

**Standard 5.0 The student will compare the anatomical structures and physiological function of each body system.**

\*One of these columns must be checked

Learning Expectations		Check the appropriate Mastery or Non-Mastery column*				Rating (Circle one)	Mastery	Non-Mastery
5.1	Diagram the structure of cells, tissues, organs, and systems.	3	2	1	N			
5.2	Compare normal and abnormal structures of cell and tissues.	3	2	1	N			
5.3	Contrast normal and abnormal functions of body systems.	3	2	1	N			
5.4	Use medical terminology related to each body system, including root words, prefixes, suffixes, and abbreviations.	3	2	1	N			

**Standard 6.0 The student will illustrate the physiology, clinical manifestations, and treatment for system diseases.**

\*One of these columns must be checked

Learning Expectations		Check the appropriate Mastery or Non-Mastery column*				Rating (Circle one)	Mastery	Non-Mastery
6.1	Analyze the cause and effect relationship of cell, organ, and system dysfunction.	3	2	1	N			
6.2	Analyze the development and treatment of complications in untreated dysfunction.	3	2	1	N			
6.3	Demonstrate and assess the laboratory and diagnostic testing for body system dysfunctions including electrocardiogram, electroencephalogram, pulmonary studies, urinalysis, and vital sign measurement.	3	2	1	N			

Additional Comments\_\_\_\_\_